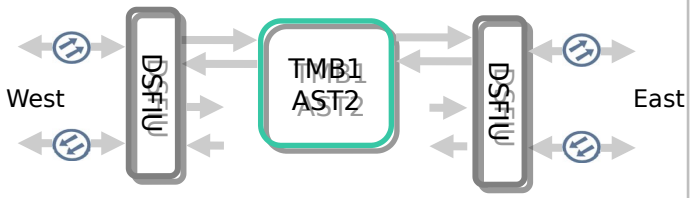
TMB1AST2

Initial Version: V100R019C10

As a type of optical supervisory channel unit, the TMB1AST2 board processes two channels of supervisory signals in opposite directions.

Application



NOTE:

In the preceding application scenario, the TMB1AST2 board works together with the DSFIU01/DSFIU02 board. The TMB1AST2 board can also work with the DFIU03/DFIU04 board.

Function

Function	Description
Basic function	Receives, processes, and transmits two optical supervisory signals. Supports transparent transmission of two channels of FE electrical signals.
Clock function	Physical clock/IEEE 1588v2
Max Span	37.5 dB(Not including the loss of the FIU/DFIU/DSFIU board)
Regeneration function	The TMB1AST2 board transmits signals from section to section. It also has the 3R function.
Loopback	Supports outloops.
Line fiber quality monitoring	Supports fiber quality detection.
G.8273.2	Supported.
G.8275.1	Supported.

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Optical Specifications

Item	Unit	150 km OTDR OSC Module
Signal rate	Mbit/s	155.52
Target distance	km	150 km
Operating wavelength range	nm	1504.5 to 1517.5 1484.5 to 1497.5
Launched optical power	dBm	0.5 to 5
Receiver sensitivity	dBm	≤-42
Receiver overload	dBm	-10

Slot

Single-slot board	
E6608T	Slot 1 to Slot 6
E6608	Slot 1 to Slot 6
E6616	Slot 1 to Slot 14

Mechanical Specifications

Weight (kg/lb.)	Typical Power Consumption (W)	Maximum Power Consumption(W)
0.8 (1.76)	23	25